

Culture gametes and embryos in an environment specifically designed for them.



MINC™ BENCHTOP INCUBATOR

A pioneer in ART

Cook introduced the original benchtop incubator in 1995. Since then, the MINC incubator has become a market leader in incubation.

Unique integration

The MINC is the only benchtop incubator that was developed together with an integrated line of ART products.

Incubation and the embryo culture sequential media system

Conceived together, our incubator and culture media help you create the most favorable environment for in vitro human embryo culture.



www.cookmedical.com



MINC™

BENCHTOP INCUBATOR

Maintaining precise temperature and pH is essential for optimal embryo development.



A successful start to any in vitro procedure requires stable temperature and pH. The MINC Benchtop Incubator is vital in the ART lab because it provides both types of stability. Developed in collaboration with embryologists to work with the entire line of Cook ART products, the MINC has been optimizing the culture of gametes and embryos for over 20 years. The incubator is used around the world and has been clinically demonstrated to create ideal culture environments.¹

¹Catt JW, Henman M. Toxic effects of oxygen on human embryo development. *Hum Reprod.* 2000;15(suppl 2):199-206.

Features

Constant temperature: Embryos cultured at the correct temperature

- Heated chamber baseplate and lid provide a stable thermal environment for embryo culture.¹
- Embryos directly exposed to a consistent temperature of 37°C.¹
- Conductive heat transfer provides faster recovery times than other convection-style incubators.¹

Rapid pH recovery to maintain homeostasis: Optimum culture environment and reduced embryonic stress

- MINC design initiates an automatic gas purge, reestablishing the desired environment when the lid is closed.^{2,3,4}
- pH returns to physiological range faster than other incubators.^{2,3,4}
- Embryonic stress reduced by rapid return to optimal culture conditions.^{3,4}

Functional design: Improved laboratory efficiency

- Compact size enables the incubator to fit into the smallest labs.
- Minimal amounts of premixed gas are required in order to create and maintain a physiological culture environment.
- Dual chambers fit an array of Nunc®, BD® Falcon®, and other tissue culture dishes.
- Detachable whiteboards designate embryo location within the MINC.
- External, accessible components make the incubator easy to clean and maintain.

Enhanced monitoring: Increased confidence

- 24-hour digital recording of MINC temperature and gas flow.
- Time-stamped alarm notifications include descriptions of events.
- Graphical representation of data for rapid, comprehensive review.

¹ Catt JW, Henman M. Toxic effects of oxygen on human embryo development. *Hum Reprod.* 2000;15(suppl 2):199-206.

² Cooke S, Tyler JP, Driscoll G. Objective assessments of temperature maintenance using in vitro culture techniques. *J Assist Reprod Genet.* 2002;19(8):368-375.

³ Fujiwara M, Takahashi K, Izuno M, et al. Effect of micro-environment maintenance on embryo culture after in-vitro fertilization: comparison of top-load mini incubator and conventional front-load incubator. *J Assist Reprod Genet.* 2007;24(1):5-9.

⁴ Lee M, Grazi R, Seifer D. Incorporation of the K-Minc Incubator and Media System into the IVF lab: the future of IVF. *J Clin Embryol.* 2013;13(3):21-32.

BD Falcon is a registered trademark of Becton, Dickinson and Company.
Nunc is a registered trademark of Nunc A/S.



MINC Benchtop incubator

MINC™

BENCHTOP INCUBATOR

Order Number	Reference Part Number	Dimensions mm	Weight kg
Benchtop Incubator includes 3 m connecting tubing and humidification flask			
G20079	K-MINC-1000	405 W x 190 H x 265 D	11

Gas supply - High purity CO₂/O₂/N₂ mixture. Nominal input pressure 150 kPa
 Power - Universal input 100-240 Vac, 50/60 Hz
 Safety - Designed to conform with AS3200.1 1990, IEC60601.1 and IEC61010.1



Disposable Humidification Flask

Order Number	Reference Part Number	Description
G32707	K-MINC-CTS-S	Disposable H ₂ O humidification flasks supplied sterile in single packs



Braided Connecting Tube

Order Number	Reference Part Number	Length m
G26796	K-MINC-BCT-10-50	.66
G26097	K-MINC-BCT-10-100	.97
G53848	K-MINC-BCT-10-300	3.1
G56513	K-MINC-BCT-10-600	6
G56512	K-MINC-BCT-10-1000	10
G56511	K-MINC-BCT-10-2000	20

*Product is a nonstock item and is subject to additional delivery time.

Customer Service

EMEA: EDI - www.cookmedical.com/edi.do
 Distributors: +353 61239240, ssc.distributors@cookmedical.com
 Austria: +43 179567121, oe.orders@cookmedical.com
 Belgium: +32 27001633, be.orders@cookmedical.com
 Denmark: +45 38487607, da.orders@cookmedical.com
 Finland: +358 972519996, fi.orders@cookmedical.com
 France: +33 171230269, fr.orders@cookmedical.com
 Germany: +49 6950072804, de.orders@cookmedical.com
 Hungary: +36 17779199, hu.orders@cookmedical.com
 Ireland: +353 61239252, ie.orders@cookmedical.com
 Italy: +39 0269682853, it.orders@cookmedical.com
 Netherlands: +31 202013367, nl.orders@cookmedical.com
 Norway: +47 23162968, no.orders@cookmedical.com
 Spain: +34 912702691, es.orders@cookmedical.com
 Sweden: +46 858769468, se.orders@cookmedical.com
 Switzerland - French: +41 448009609, fr.orders@cookmedical.com
 Switzerland - Italian: +41 448009609, it.orders@cookmedical.com
 Switzerland - German: +41 448009609, de.orders@cookmedical.com
 United Kingdom: +44 2073654183, uk.orders@cookmedical.com

www.cookmedical.com

Americas: EDI - www.cookmedical.com/edi.do
 Phone: +1 812.339.2235, 800.457.4500, Fax: 800.554.8335
 E-mail: orders@cookmedical.com

Australia:
 Phone: +61 734346000, 1800777222, Fax: +61 734346001, 1800077283
 E-mail: cau.custserv@cookmedical.com

